

WHAT IS CLAIMED IS:

- 1 1. A method for obtaining a digital signature
- 2 comprising the steps of:
- 3 receiving a request for a digital signature during
- 4 an electronic transaction;
- 5 notifying a web browser of the request for the
- 6 digital signature;
- 7 obtaining the digital signature from the wireless
- 8 device;
- 9 appending the digital signature to the data;
- 10 notifying the web browser the digital signature has
- 11 been obtained; and
- 12 transmitting the data with the appended digital
- 13 signature to a requesting party.

1 2. The method of Claim 1, wherein the step of
2 obtaining further includes the steps of:

3 forwarding the data to an application within the
4 computer;

5 establishing a short-range wireless connection
6 between the computer and the wireless device; and

7 forwarding the digital signature to the computer
8 from the wireless device via the short-range wireless link.

1 3. The method of Claim 1, further including the step
2 of recognizing a command within the request for a digital
3 signature.

1 4. The method of Claim 1, further including the step
2 of including a command for the digital signature and the data
3 to be digitally signed within an HTTP header transmitted to
4 a customer.

1 5. The method of Claim 1, wherein the step of
2 transmitting the data with the appended digital signature
3 further includes transmitting the data with the appended
4 digital signature to a URL included within the request.

1 6. The method of Claim 1, wherein the step of
2 notifying further includes the step of periodically reloading
3 a web page notifying the customer of the request for the
4 digital signature.

1 7. A method for obtaining a digital signature in a
2 transaction between a computer of a customer and a merchant,
3 comprising the steps of:

4 receiving a request for a digital signature from
5 the merchant during an electronic transaction;

6 recognizing a command for the digital signature and
7 a data string to be digitally signed within the request;

8 notifying a web browser of the request for the
9 digital signature;

10 forwarding the data string to an application
11 within the computer;

12 establishing a shortrange wireless link between the
13 computer and a wireless device;

14 forwarding the digital signature to the computer
15 from the wireless device via the short range wireless link;

16 appending the digital signature to the data string;

17 notifying the web browser the digital signature has
18 been obtained; and

19 transmitting the data string with the appended
20 digital signature to a URL included within the request.

1 8. The method of Claim 7, further including the step
2 of including the command for the digital signature and the
3 data string to be digitally signed within an HTTP header
4 transmitted to the computer of the customer by the merchant.

1 9. The method of Claim 7, wherein the step of
2 notifying further includes the step of periodically reloading
3 a web page notifying the customer of the request for the
4 digital signature.

1 10. A mobile electronic transaction personal proxy
2 device, comprising:
3 a first interface with a merchant computer;
4 a second interface with a web browser;
5 a third interface with a Mobile electronic
6 transaction device; and
7 control logic configured to:
8 notify the web browser of a request for a
9 digital signature from the merchant computer;
10 request a data string be digitally signed by
11 the Mobile electronic transaction device;
12 receive a digitally signed data string from
13 the Mobile electronic transaction device;
14 notify the web browser of the digitally signed
15 data string; and
16 forward the digitally signed data string to
17 the merchant computer.